

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Tuesday, May 29, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 3-A

47-007-00989-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A Chief

Operator's Well Number: 3-A

Farm Name: WALDECK, JOHN

U.S. WELL NUMBER: 47-007-00989-00-00

Vertical Plugging
Date Issued: 5/29/2018

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

| 1) Date May | 10 | | , 20 18 |
|-------------|--------|------------|---------|
| 2)Operator | 's | | |
| Well No. | 160761 | A. Waldeck | #3A |
| 3) API Well | No. | 47 - 007 | - 00989 |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

| | APPLICATION FOR A PER | MIT TO PLUG AND ABANDON |
|------|--------------------------------------------------------------|-----------------------------------------------------------------|
| 4) | Well Type: Oil/ Gas X/ Liquid (If "Gas, Production or Und | d injection/ Waste disposal/ derground storage) Deep/ Shallow X |
| 5) | Location: Elevation 1102 | Watershed Big Bull Run |
| | District Otter | County Braxton Quadrangle Cedarville 7.5' |
| 6) | Well Operator EQT Production Company | 7) Designated Agent Jason Ranson |
| | Address 2400 Ansys Drive- Suite 200 Canonsburg PA 15317 | Address 120 Professional Place Bridgeport WV 26330 |
| 8) | Oil and Gas Inspector to be notified Name Danny Mullins | 9) Plugging Contractor Name HydroCarbon Well Service |
| | Address 220 Jack Acres Road | Address PO Box 995 |
| | Buckhannon WV 26201 | Buckhannon WV 26201 |
| | | |
| | See Attachment for details and proced | dules. |
| | | |
| | | |
| | | RECEIVED Gas Office of Oil and Gas MAY 1 8 2018 |
| Noti | fication must be given to the district of can commence. | Office of Oil and |

PLUGGING PROGNOSIS

Waldeck, J. 3-A (160761) Braxton Co. WV District, Otter API # 47-007- 00989

BY: Craig Duckworth

DATE: 12/14/17

CURRENT STATUS:

8 1/4" csg @ 199' (60 sks) 4 ½" csg @ 2342'

Elevation @ 1102'

TD: 2360'

Fresh Water @ 59' Coal @ None Reported Saltwater @ None Reported Gas shows @ 2254' Oil @ None Reported Perforated @ 2216'-2252'

- 1. Notify State Inspector, Danny Mullins 304-546-8171, 48 hrs. Prior to commencing operations.
- 2. Check TD w/wireline
- 3. TIH w/tbg to 2340', set 200'C1A cement plug from 2340' to 2140'. (Gas show @ 2254')
- 4. TOOH w/tbg to 2140' gel hole 2140' to 1500'.
- 5. TOOH w/tbg, Free point 4 1/2"" csg, cut csg @ free point, TOOH w/csg.
- 6. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 7. TIH w/tbg to 1560' set 200' C1A cement plug from 1560' to 1360', (4 1/2" csg cut @ 1500'est.
- 8. TOOH w/tbg to 1360' gel hole 1360' to 1150'.
- 9. TOOH w/tbg to 1150', set 100' C1A cement plug 1150' to 1050'. (elevation @ 1102').
- 10. TOOH w/tbg to 1050' gel hole from 1050' to 700'.
- WV Department of Environmental Protection 11. TOOH w/tbg to 700, set 100' C1A cement plug, 700' to 600' (Safety Plug) 260')
- 12. TOOH w/tbg to 600' gel hole from 600' to 250'.
- 13. TOOH w/tbg to 250, set 250' C1A cement plug, 250' to 0'(8 \(\frac{1}{4}\)'' csg @ 199' cem 60 sks)

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- 14. Erect monument with API#, Date plugged, EQT15. Reclaim location and road to WV-DEP specifications.

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| | act Acres 14 | | ee No | | | | | |
| | ell (Farm) No. 3-A | | | WELL | LOCATI | ON MAP | | RECEIVED e of Oil and Gas |
| | | | | | NO. BRAX - | 989 | Offic | e 07 On a |
| | evation (Spirit Level) - adrangle - Glenvill | | | FILE | NO. KOGA | | kΛ | AY 1 8 2018 |
| Qu | ounty_ Braxton | Di-4-1-4 | Otters | + Denotes | location of well | on United State | 3 | - t of |
| Co | gineer MA | Sto of | 2 | Topographic | c Maps, scale 1 to | represented by | e y V | V Department of onmental Protection |
| | | | | border lines | as shown. | | Envi | Office |
| | gineer's Registration l | | | | one inch spaces | | | |
| | te June 10, 1971 | | | original trac | | | | |
| Da | ite June 10, 1971 | _Scale_L | TAK MAX | | | | | |





DEC 1 4 1971 Rotary

UIL & CAS OIVISION
Cable Tools

Storage

Number (Number) Number (Number)

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

| ermit No. BRAX-989 | WELL R | ECORD | | Oil or (| Gas Well Both |
|---------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| ompany Waco Oil & Gas Co. | | Casing and Tubing | Used in Drilling | Left in Well | Packers |
| -arm John Waldock Acresocation (waters) Big Bull Run | 148.33 | | | A LEGISLO DE COMO CONTRA DE SERVICIO DE COMO CONTRA | Kind of Packer |
| Well No. 3 - A Elev District Ottar County Braxton The surface of tract is owned in fee by John Walded | 1 | 0. | | | Size of. |
| AddresCedarville, Mineral rights are owned by Same | W. Va. | | | | Depth set. |
| Orilling commenced 6 - 20 - 1971 Orilling completed 6 - 23 - 1971 | | 3 2 | | | Perf. top 2216 Perf. bottom 2252 |
| Date Shot From To | | | | | Perf. top |
| Den Flow /10ths Water in /10ths Merc. in volume 60,000 lbs. Jil. bbls. WELL ACIDIZED (DETAILS). | Cu. Ft. / | CASING CEM Amount of cem Name of Service COAL WAS E FEE | ent used (bags). c Co | SIZE 2342 100 Well O AT None CHES | FEETINCHE |
| RESULT AFTER TREATMENT (Initial open Flow or bbls.) ROCK PRESSURE AFTER TREATMENT. 400. | 2 Milli | on Cubic | foot pl | a show | 2,000,000 |
| Fresh Water 59 Feet | | | | | |

| Producing Sand | Big Inju | a | ······································ | | Depth 2216 | to 2252 | |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------|-----------------------------------------------------------------------------|
| Formation | Color | Hard or Soft | Тор | Bottom | Oil, Gas or Water | Depth | Romerks |
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| | - | | | | | *************************************** | Office of Oil and Gas MAY 1 8 2018 WV Department of Environmental Protect |

7-,00989 P

WW-4A Revised 6-07

4) Surface Owner(s) to be served:

| 1) Date: | May 10, 2018 | | | | |
|-----------------|--------------|-----|---|-------|--|
| 2) Operator's V | | er | | | |
| | | 007 | | 00989 | |
| 3) API Well No | .: 47 - | 007 | - | 00989 | |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

5) (a) Coal Operator

| (a) Name | See Attached | | _ Name | N/A | |
|-------------------------|---------------------------------------------------------------|----------------------------------------------------|--------------------------|--------------------------------------------------------------------------------|----------------------------------------------|
| Address | | | Address | | |
| (b) Name | | | (b) Coal O | wner(s) with Declaration | |
| Address | | | Name | See Attached | |
| | | | Address | | |
| | | | | | |
| (c) Name | | | Name | | |
| Address | | 400.4 | Address | | |
| C) I | Denny Mylling | | - (a) Cool I o | essee with Declaration | |
| 6) Inspector Address | Danny Mullins 220 Jack Acres Road | | Name | ssee with Declaration | |
| Address | Buckhannon WV 26201 | | - Address | | |
| Telephone | (304) 546-8171 | | | | |
| | | | | | |
| TO THE PER | RSONS NAME | D ABOVE: Yo | u should have rec | eived this Form and the follo | owing documents: |
| | | | | | |
| | | | Form WW-4B, which | h sets out the parties involved i | in the work and describes the |
| well it (2) The p | s and the plugging worl lat (surveyor's map) sho | k order; and wing the well location | on on Form WW-6. | | |
| | | | | ication which are summarized in the | instructions on the reverses side. |
| The reason y | you received these document ou are not required to take an | nts is that you have rig | ints regarding the appr | cation when are summarized in the | , mondations on the care |
| 10.00 | | | | Langester proposes to file or has file | d this Notice and Application and |
| | - dearments for a normit | to plug and abandon a v | well with the Chief of t | l operator proposes to file or has file he Office of Oil and Gas, West Virg | inia Department of Environmental |
| D | it the the small of the | a location described of | n the attached Applica | tion and denicted on the attached Fo | illi w w-o. Copies of this Notice, |
| the Applicat | ion, and the plat have bee mstances) on or before the | n mailed by registered day of mailing or delive | or certified mail or d | elivered by hand to the person(s) no | amed above (or by publication in |
| certain circu | instances) on or before the | au, or maning or servi | | | |
| | | | | | |
| | | Well Operator | EQT Production Con | npany 5 | |
| m | m | By: | Erin Spine | - | RECEIVED Office of Oil and Gas |
| | OFFICIAL SEAL NOTARY PUBLIC | Its: | Regional Land Supe | | Office of Off and Gas |
| RED RED | ECCA L. WANSTREET | Address | 2400 Ansys Drive, S | | MAY 1 8 2018 |
| | PRODUCTION COMPANY PO BOX 280 BRIDGEPORT, WV 26330 | m 1 1 | Canonsburg PA 153 | 1/ | |
| | ommission expires April 07, 2020 | Telephone | (304) 848-0035 | | WV Department of Environmental Protection |
| | | | 5577 | 7.35.54.00.03 | |
| Qubanihad and | sworn before me th | is 110 d | ay of Mal | 1 2018 | |
| A LACC | CO TIA | matro | 01 | Notary Public | |
| My Commission | | 1.7-202 | 0 | | |
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Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

47-007-00989

160761 Waldeck #3A

Owner(s) (Surface and Access)

Frank L Waldeck and Judy C Stout et al 3330 Jones Rd. Diamond OH 44412

Carmella Waldeck 177 High Point Drive Cedarville WV 26611

Coal Owner(s):

Blackhawk Land and Resources LLC c/o Deutsche Bank AG NY Branch 60 Wall St. NYC 600266 New York NY 10005

Potential Water Owner(s):

Carmella Waldeck 177 High Point Drive Cedarville WV 26611

Frank L Waldeck and Judy C Stout et al 3330 Jones Rd. Diamond OH 44412

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Office of Oil and Gas

MAY 1 8 2018

47-007-00989

160761 Waldeck #3A

Owner(s) (Surface and Access)

Frank L Waldeck and Judy C Stout et al 3330 Jones Rd. Diamond OH 44412

Carmella Waldeck 177 High Point Drive Cedarville WV 26611

**Not originally listed as access road owner. We have a lease that allows us to use her surface to access the well head for plugging purposes.

Coal Owner(s):

Blackhawk Land and Resources LLC c/o Deutsche Bank AG NY Branch 60 Wall St. NYC 600266 New York NY 10005

Potential Water Owner(s):

Carmella Waldeck 177 High Point Drive Cedarville WV 26611

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Office of Oil and Gas

WAY 1 4 2018

WW-9 (5/16)

| API Number | 47 - 0 | 07 | _00989 |
|--------------|---------|--------|----------------|
| Operator's W | ell No. | 160761 | A. Waldeck #3A |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

| FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operator Name EQT Production Company OP Code |
| Watershed (HUC 10) Big Bull Run Quadrangle Cedarville 7.5' |
| Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No |
| Will a pit be used? Yes V No |
| If so, please describe anticipated pit waste: Formation Fluids |
| Will a synthetic liner be used in the pit? Yes ✓ No If so, what ml.? 20 ml |
| Proposed Disposal Method For Treated Pit Wastes: |
| Land Application (if selected provide a completed form WW-9-GPP) Underground Injection (UIC Permit Number) Reuse (at API Number) Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain) |
| Will closed loop systembe used? If so, describe: |
| Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. |
| -If oil based, what type? Synthetic, petroleum, etc |
| Additives to be used in drilling medium? |
| Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc |
| -If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) |
| -Landfill or offsite name/permit number? |
| Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. |
| I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penaltical menaltical menaltics information, including the possibility of fine or imprisonment. Company Official Signature MAY 1 8 2018 |
| Company of the state of the sta |
| Company Official Title Regional Land Supervisor Environmental Protecti |
| Subscribed and swom before me this 10 day of May . 20 18 Notary Public STATE OF WEST VIRIGINIA STATE |

| Proposed Revegetation Trea | atment: Acres Disturbed 1 | ± Preveg etation | рН | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lime 3 | Tons/acre or to corre | | | |
| Fertilizer type _(10 | 0-20-20) or equivalent | | | |
| Fertilizer amount_ | 1/3 ton | lbs/acre | | |
| Mulch_2 | | Tons/acre | | |
| | | Seed Mixtures | | |
| Te | emporary | Perm | anent | |
| Seed Type | lbs/acre | Seed Type | lbs/acre | |
| Red Fescue | 40 | Red Fescue | 15 | |
| Aslike Clover | 5 | Aslike Clover | 5 | 22 |
| Annual Rye | 15 | | | (7) |
| | | | | The second secon |
| Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of | pit will be land applied, profite land application area. | d application (unless engineered plans incl ovide water volume, include dimensions (L | uding this info have bee , W, D) of the pit, and c | n Iimensions |
| Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo | pit will be land applied, profithe land application area. Ived 7.5' topographic sheet | ovide water volume, include dimensions (L | ., W, D) of the pit, and o | n Iimensions |
| Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo | pit will be land applied, profithe land application area. Ived 7.5' topographic sheet | ovide water volume, include dimensions (L | ., W, D) of the pit, and o | n limensions |
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| provided). If water from the (L, W), and area in acres, of Photocopied section of invo | pit will be land applied, profithe land application area. Ived 7.5' topographic sheet | ovide water volume, include dimensions (L | Off | limensions |

EQT Production Water plan Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV

> RECEIVED Office of Oil and Gas

MAY 1 8 2018

4700700989 Topo Quad: Cedarville 7.5' Scale: 1" = 200' County: Braxton April 13, 2018 Date: Otter District: Project No: 40-02-00-07 Topo 47-007-00989 WV 160761 (A. Waldeck #3A) Pit Location Map 47-007-00989 WV 160761 **Existing Well** Access Road NAD 27, South Zone N:668070.21 E:2064634.98 **WGS 84 LEGEND** LAT:38.834528 LONG:-80.772931 Proposed Pit Location ELEV:1017.38 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 2400 Ansys Drive Canonsburg, PA 15317 237 Birch River Road Birch River, WV 26610

PH: (304) 649-8606 FAX: (304) 649-8608

Topo Quad: Cedarville 7.5' 1" = 500' Scale: County: Braxton April 13, 2018 Date: District: Otter Project No: 40-02-00-07 Highway 47-007-00989 WV 160761 (A. Waldeck #3A) Pit Location Map 47-007-00989 WV 160761 **Existing Well** Access Road Walker NAD 27, South Zone N:668070.21 E:2064634.98 **WGS 84 LEGEND** LAT:38.834528 LONG:-80.772931 Proposed Pit Location ELEV:1017.38 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 2400 Ansys Drive



237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

Canonsburg, PA 15317

Cedarville 7.5' Topo Quad: Scale: 1" = 2000' County: Braxton Date: April 13, 2018 District: Otter 40-02-00-07 Project No: 47-007-00989 WV 160761 (A. Waldeck #3A) Topo DUS CO RTE 42 COARVILLE FLOWER 47-007-00989 VVV 160761 Flower WALKER FORK RD Office of Oil and Gas Rutherford Buck MAY 1 8 201 Ridge v Department of 1000 NAD 27, South Zone Jack Cem N:668070.21 E:2064634.98 **WGS 84** LAT:38.834528 LONG:-80.772931 ELEV:1017.38



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive Canonsburg, PA 15317



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. A. Waldeck #3A - WV 160761 - API No. 47-007-00989

POTENTIAL SAMPLE LOCATIONS

| Site: 1 Spacing: 678 +/- Owner: Carmella Waldeck | |
|-----------------------------------------------------|-----------------------------|
| Address: 177 High Point Drive, Cedarville, WV 26611 | Phone No |
| Comments: Water Well | 2 m jpd 2 m jpd 2 m jpd 2 m |
| Site: 2 Spacing: 800 +/- Owner: Carmella Waldeck | |
| Address: 177 High Point Drive, Cedarville, WV 26611 | Phone No |
| Comments: | |

237 Birch River Road Birch River, WV 26610

phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive Bridgeport, WV 26330 phone: 304-848-5035 fax: 304-848-5037 ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

0700989P Cedarville 7.5' Topo Quad: 1" = 2000' Scale: Braxton County: April 13, 2018 Date: District: Otter Project No: 40-02-00-07 Water 47-007-00989 WV 160761 (A. Waldeck #3A) 2 Potential Water Sources within 1000' DU CO RTE 42 EDARVILLE-FLOWER WALKER FORK RD 47-007-00989 WV 160761 Rutherford D Buck Ridge NAD 27, South Zone Jack Cem N:668070.21 O E:2064634.98 **WGS 84** LAT:38.834528 LONG:-80.772931 ELEV:1017.38 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 2400 Ansys Drive 1-800-482-8606 Canonsburg, PA 15317 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608



West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

| API: 47-007-00989 WELL | NO.: WV 160761 (A. Walde | eck #3A) |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------|
| FARM NAME: John Wald | leck | |
| RESPONSIBLE PARTY NAM | ME: EQT Production Compa | any |
| COUNTY: Braxton | DISTRICT: | Otter |
| QUADRANGLE: Cedarville | : 7.5' | |
| SURFACE OWNER: Frank I | Waldeck & Judy C. Stout, e | t al. |
| ROYALTY OWNER: Daniel | J. Cain, et al. | |
| UTM GPS NORTHING: 429 | 8439 | |
| UTM GPS EASTING: 519 | 708 GPS ELEVATI | ON: 310 m (1017 ft) |
| | | |
| The Responsible Party named ab preparing a new well location pla above well. The Office of Oil an | at for a plugging permit or ass | igned API number on the |
| the following requirements: | | |
| | Zone: 17 North, Coordinate Ur | nits: meters, Altitude: |
| | ea level (MSL) – meters. | |
| 2. Accuracy to Datum - | | |
| 3. Data Collection Meth | | 4.1 |
| Survey grade GPS | : Post Processed Differential | tiai |
| Mapping Grade GPS X | : Post Processed Differential Real-Time Differential | tial X |
| 4. Letter size copy of the the undersigned, hereby certify belief and shows all the informatorescribed by the Office of Oil and | he topography map showing this data is correct to the best ion required by law and the re | of my knowledge and |
| St. Oh | P5# Z180 | 4/27/18 |
| Signature | Title | Date |